

Test value

Boost pressure at full-load, driving
range position „L” or „S” and $n = 4000/\text{min}$

0.7-0.8 bar
gauge pressure

Special tool

Tester 0—1.6 bar gauge pressure



617 589 02 21 00

Conventional tester

Digital tester (or revolution counter installed
in vehicle)

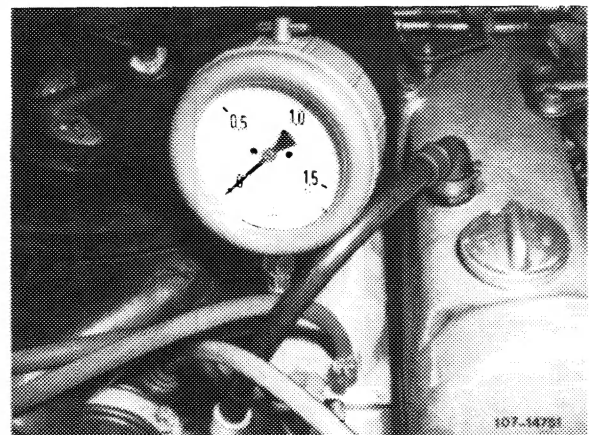
e.g. Bosch, MOT 001.03

Checking

A. On boost air pipe

Connect boost pressure tester to intake manifold,
unscrewing plug for this purpose.

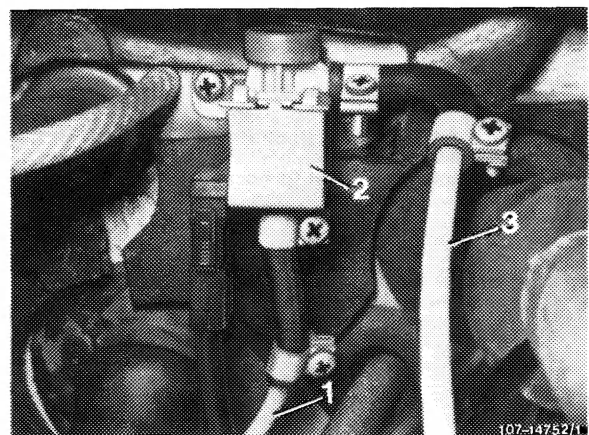
Note: Tester connecting thread M 10 x 1.



B. On switchover valve

Connect boost air tester to switchover valve with
Y-distributor, output of switchover valve.

- 1 Pressure line to boost air pipe
- 2 Switchover valve
- 3 Pressure line to ALDA capsule



1 Test on dynamometer.

Drive vehicle in driving range „S“ at full-load and $n = 4000/\text{min}$. The prescribed boost pressure must be obtained.

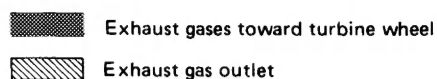
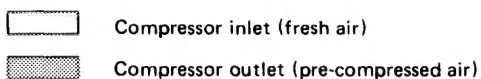
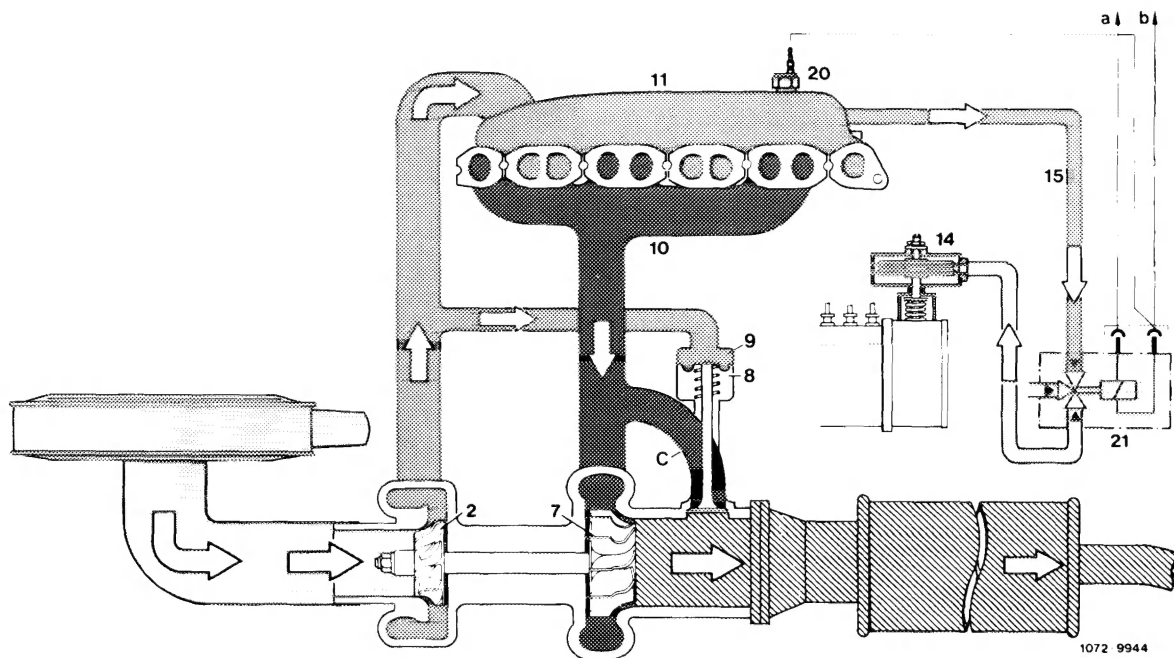
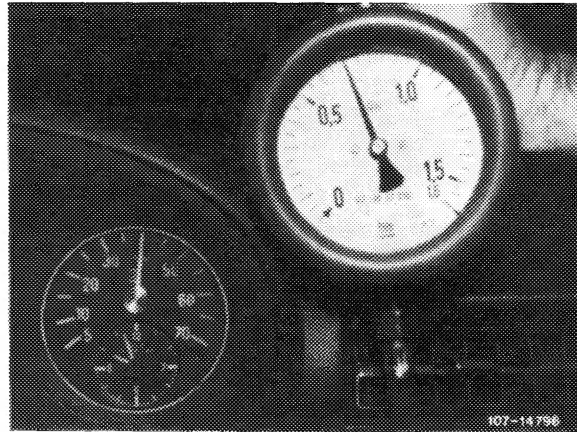
Check the trouble-shooting hints if system fails to reach specified boost pressure.

2 Road test.

Note: The full-load test must be kept as short as possible because the total driving energy has to be absorbed by the vehicle's own brakes.

Road-test the vehicle in driving range „L“ or „S“ at full-load and $n = 4000/\text{min}$, placing tester in vehicle interior for this purpose. Accelerate to full throttle while holding at 4000/min with the aid of service brakes (No. 2 in illustration). The prescribed boost pressure must be reached.

Check the trouble-shooting hints if system fails to reach specified boost pressure.



Function diagram

- | | | |
|--------------------------------|---|--------------------------------------|
| 2 Compressor wheel | 11 Boost air pipe | a Fuse terminal 15 |
| 7 Turbine wheel | 14 ALDA-capsule | b Switching unit overload protection |
| 8 Boost pressure control valve | 15 Pressure line | c Exhaust gas toward bypass duct |
| 9 Connecting hose | 20 Pressure switch boost air pipe | |
| 10 Exhaust manifold | 21 Switchover valve overload protection | |